

## Case 363 : Narrative

Case Vehicle (A): 2002 GMC	Vehicle (B): 1989 Chevrolet
Type: Envoy SLT, 4-door, 4x4 SUV	Type: Caprice Classic, 4-door sedan
Driver: 37-year-old male	Driver: 16-year-old male
CDC: 12-FDEW-3, 09-LPEW-2	CDC: 12-FZEW-4, 99-0000-0

This is a fatal crash, the right-front passenger of case vehicle (A) died as a result of a lacerated aorta.

### SITUATION

1 2 On a clear evening, case vehicle (A) was traveling south at an EDR-recorded speed of about 71 mph (114 kph) on a two-lane, two-way, asphalt road, in a rural area. The road surface was dry, it was dark and unlighted, and the speed limit was 55 mph (89 kph). 3 Vehicle (B) was traveling north in the northbound lane of the same roadway at an unknown speed. 4 As both vehicles approached each other, the driver of vehicle (B) began a turn to the left to enter a private driveway and vehicle (B) entered the southbound lane into the path of case vehicle (A). The driver of case vehicle (A) was not able to avoid a head-on collision with vehicle (B). After the impact, case vehicle (A) rotated clockwise while vehicle (B) rotated counterclockwise, and the right fender of vehicle (B) contacted the left-rear door of case vehicle (A). Case vehicle (A) came to rest off of the west shoulder facing southwest, and vehicle (B) came to rest on the west shoulder facing southwest. Both vehicles were towed from the scene.

The police accident report indicates A-level injuries for the driver of case vehicle (A), who was transported to a local hospital, and it indicates fatal injuries for the right-front passenger of case vehicle (A), who died on the way to the hospital. The police accident report indicates A-level injuries for the four occupants of vehicle (B).

## GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[5](#) The direct damage to the front of case vehicle (A) was severe and extended 150-cm across the entire front of the vehicle. [6](#) The maximum frontal crush was 58 cm and occurred at the center of the front bumper. [7](#) Damage from the second impact began 45-cm forward of the left-rear axle and extended 59-cm forward to the front of the left-rear door. [8](#) The maximum lateral crush was 25 cm and occurred near the center of the left-rear door.

[9](#) Damage to the front of vehicle (B) was severe. Direct damage began at the right-front bumper corner and extended 101-cm across the front, resulting in a vehicle overlap of 63%. The maximum crush was 110 cm at the right-front bumper corner. [10](#) The majority of the crush was to the right and center portions of the front end which were crushed rearward into the engine compartment. The grille was damaged, both headlight assemblies were broken, and the damaged hood was pushed up and to the rear. The right fender was crushed and the right wheelbase was reduced 27 cm. Damage from the second impact was to the right fender but was masked by the extensive damage from the frontal impact.

[11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) Using the WinSMASH crash-reconstruction program and c-values measured for both vehicles, the following impact severities were calculated for the head-on impact between case vehicle (A) and vehicle (B):

		Calculated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case Vehicle (A)	delta V	64 (40)	-63 (-39)	11 (7)
Vehicle (B)	delta V	75 (47)	-74 (-46)	13 (8)

[19](#) [20](#) Using the WinSMASH crash-reconstruction program and c-values measured for case vehicle (A), the following equivalent barrier speed was calculated for the left-side impact to case vehicle (A):

		Calculated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case Vehicle (A)	EBS	11 (7)	0 (0)	11 (7)

Case vehicle (A) was equipped with an Event Data Recorder (EDR) that recorded a maximum longitudinal velocity change of -36.08 mph at 155 ms into the event. The EDR data also indicate that the driver seatbelt was unbuckled, that the airbags were not suppressed, that the brakes were off at the time of the crash, and that the vehicle slowed from 71 mph to 68 mph just prior to the frontal impact. The EDR data also indicate that both 1st and 2nd stage airbag deployment criteria were met and deployment commands were sent at 7.5 and 10 ms, respectively.

## DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

### Exterior

[21](#) In the front, the bumper and grille were crushed rearward into the engine compartment. Both headlight assemblies were broken and the bumper cover was separated from its attachments. [22](#) [23](#) The hood was crushed up and to the rear, the damaged hood latch had released, and both hood hinges were damaged but not separated. The rear edge of the hood was slightly elevated, but it was not in contact with the windshield. [24](#) [25](#) There was a small crack in the upper-left portion of the windshield near the left A-pillar and [26](#) cowl deformation caused cracks across the lower portion of the windshield. The vehicle was equipped with a sunroof and the right-front corner was partially popped open.

[27](#) On the left side, the front fender was buckled and bowed slightly to the left. [28](#) There was no damage to the left-front wheel and there was no change in the left wheelbase. [29](#) The driver door was undamaged and operable and there was no damage to the upper and lower portions of the left A-, B-, C- or D-pillars. [30](#) [31](#) The left-rear door was crushed in during the second impact, the door was jammed closed, and the door window frame was pulled out. [32](#) The left-rear tire was deboned from the rim and the tire was flat. There was no damage to the left-side windows or to the left quarter panel. [33](#) On the right side, the fender was crushed and shifted slightly to the right. There was no damage to the upper or lower portions of the right A-, B-, C- or D-pillars and both right-side doors were undamaged and operable. [34](#) There was no right-side glazing damage and there was no damage to the right quarter panel. [35](#) [36](#) Both right-side wheels were undamaged, although the right wheelbase was decreased 6 cm. [37](#) There was no damage to the rear of case vehicle (A).

## Interior

[38](#) This vehicle was equipped with steering-wheel and [39](#) dash-mounted frontal-impact airbags, which deployed during the frontal impact. [40](#) In the driver seating area, there was no damage to the roof, to the roof header, or to the left A-pillar. [41](#) There was no damage to the sunvisor but [42](#) there were some cracks in the left portion of the windshield. [43](#) The upper half of the steering-wheel rim and the steering-wheel spokes were pushed forward, [44](#) and the steering column was rotated up and to the left. [45](#) There were black marks on the lower portion of the airbag fabric. [46](#) There was no damage to the upper portion of the instrument panel, but the plastic that covers the mid portion of the instrument panel was cracked. [47](#) [48](#) The knee bolster cover was cracked and completely separated from its attachments, and the energy-absorbing knee-bolster structure was deformed. [49](#) There was no damage to the floor or the foot controls in the driver area.



[50](#) In the center-front area, there was no damage to the roof or to the roof header, but there was a series of longitudinal cracks in the lower portion of the windshield. [51](#) There was no damage to the rearview mirror although it was detached from the windshield. [52](#) There was no damage to the center-vertical console, [53](#) [54](#) but there were scuffmarks on the right portion of the console.

[55](#) In the right-front seating area, there was no damage to the roof, to the roof header, or to the right A-pillar. There were numerous cracks in the lower portion of the windshield. [56](#) [57](#) There were two areas of facial makeup on the airbag fabric, one on the lower-left corner and the other on the left side. [58](#) There were scuffmarks on, [59](#) and a crack in, the left side of the glove-box door, and [60](#) the door would not close properly. (Note: the marks near the upper-right corner of the glove-box door in slide 60 are due to dirt from a boot and are not crash or airbag related.) At the time of the inspection, [70](#) the seatback of the right-front passenger seat was fully reclined but the recline mechanism was functional. It is believed that this recline angle was due to rescue personnel and did not occur in the crash. [61](#) There was no damage to the floor in the right-front seating area and there were no intrusions.

## **OCCUPANT KINEMATICS AND INJURIES**

[62](#) The 6-ft, 170-lb, 37-year-old male driver was not using the seat-integrated three-point belt but the [63](#) steering-wheel airbag deployed. [64](#) There was no evidence that the three-point belt was used during this crash and the EDR recorded that the driver seatbelt was unbuckled. The driver was wearing eyeglasses, which were reportedly broken during the crash.

[65](#) During the frontal impact, the unbelted driver moved forward relative to the vehicle interior, into the deploying airbag. He reportedly lost consciousness but there was no evidence of head contact with the vehicle interior so the cause is unknown. [66](#) He sustained a comminuted transverse fracture to the mid shaft of the left ulna and a

fracture to the left thumb, possibly from forearm and hand contact with the instrument panel. [67](#) He sustained a comminuted fracture to the medial aspect of the right talus, probably from foot contact with the toe pan since the EDR data indicate that the brakes were not applied prior to the crash. [68](#) Damage to, and contact marks on, the knee bolster [69](#) indicate that the driver's knees contacted the bolster but he did not sustain any knee, thigh, or hip injuries.

[70](#) The 5-ft, 4-in, 134-lb, 29-year-old female right-front passenger was not using the seat-integrated three-point belt [71](#) but the dash-mounted airbag deployed. [72](#) There was no evidence that the three-point belt was being used during this crash.

During the frontal impact, the unbelted right-front passenger moved forward relative to the vehicle interior [73 74](#) into the dash-mounted airbag, as evidenced by two areas of facial makeup on the airbag fabric. She sustained mild swelling of the brain from an unknown source. She sustained a laceration to the aorta distal to the subclavian arteries and fractures to left-side ribs 1 through 6, possibly from close-proximity airbag-deployment loading, as [73 74](#) indicated by facial makeup on two different areas of the airbag fabric which suggest possible contact by the airbag during deployment, or possibly from chest contact with the right side of the center instrument console, [75 76](#) as indicated by scuff marks. [77 78](#) She sustained abrasions to the left knee and below the right knee, probably from contact with the knee bolster/glove compartment, as evidenced by scuffmarks on, and damage to, the glove-box door. The autopsy states that the cause of death was a lacerated aorta.

The following tables [79 80](#) and attached drawings summarize the injuries for the unbelted driver and right-front passenger.

Occupant: Driver	Age: 37 years	Gender: Male		
Restraints: Steering-wheel airbag	Stature: 183 cm (6 ft)	Mass: 77 kg (170 lb)		
Injury Description	A.I.S.	Injury Source		
—	—	Definite	Probable	Possible
Loss of consciousness	2	Unknown	—	—
Comminuted transverse fracture, mid shaft of the left ulna	3	—	—	Instrument panel
Fracture, left thumb	1	—	—	Instrument panel
Comminuted fracture, medial aspect of the right talus	2	—	Toe pan	—
Maximum A.I.S. Level	3	—	—	—
Injury Severity Score	13	—	—	—

Occupant: Right front	Age: 29 years	Gender: Female		
Restraints: Dash-mounted airbag	Stature: 163 cm (5 ft, 4 in)	Mass: 61 kg (134 lb)		
Injury Description	A.I.S.	Injury Source		
—	—	Definite	Probable	Possible
Mild brain swelling	3	Unknown	—	—
Laceration, aorta (distal to the subclavian arteries)	4	—	—	Close-proximity airbag-deployment loading; center instrument console
Fractures, left ribs 1 through 6	3	—	—	Close-proximity airbag-deployment loading; center instrument console
Abrasion, left knee	1	—	Knee bolster/glove compartment	—
Abrasion, below right knee	1	—	Knee bolster/glove compartment	—
FATAL	—	—	—	—
Autopsy indicates death as a result of a lacerated aorta	—	—	—	—
Maximum A.I.S. Level	4	—	—	—
Injury Severity Score	26	—	—	—

CASE NO.: 363-03

CASE VEHICLE: 2002 GMC

TYPE: Envoy SLT, 4-door, 4x4 SUV

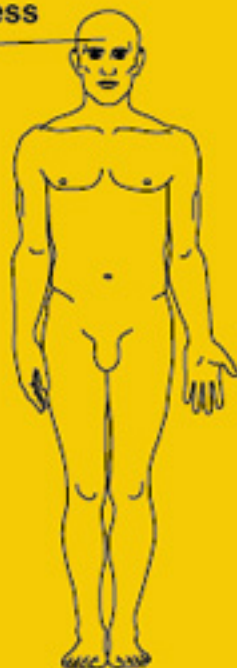
OCCUPANT: (Driver) 37-year-old male

STATURE: 183 cm (6 ft)    MASS: 77 kg (170 lb)

RESTRAINTS: Steering-wheel airbag

SEVERITY:    MAIS - 3            ISS - 13

Loss of consciousness  
(2)



Comminted fracture,  
medial apsect of the  
right talus  
(2)



Comminuted transverse  
fracture, mid-shaft of  
the left ulna  
(3)

Fracture, left  
thumb  
(1)

CASE NO.: 363-03

CASE VEHICLE: 2002 GMC

TYPE: Envoy SLT, 4-door, 4x4 SUV

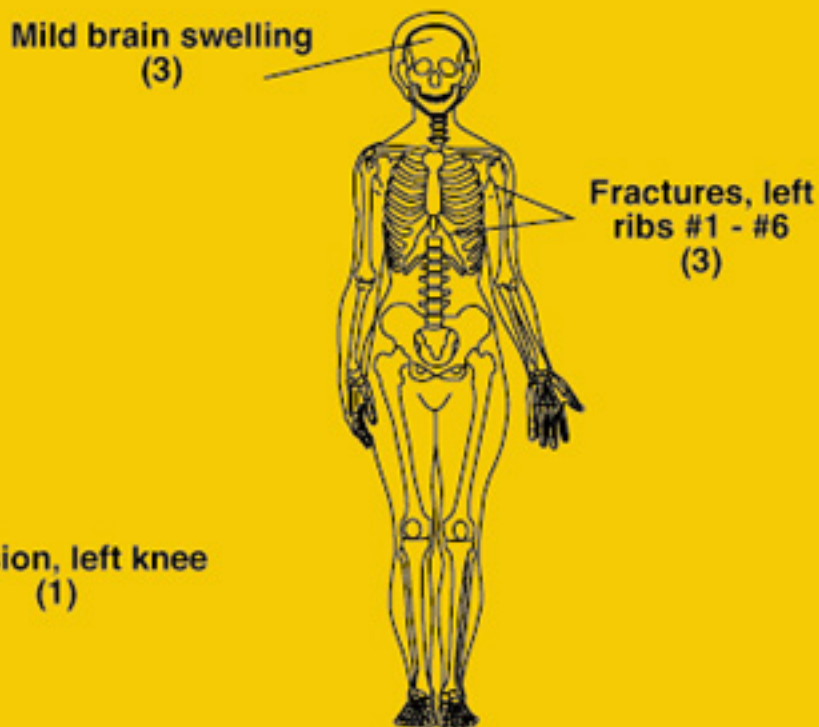
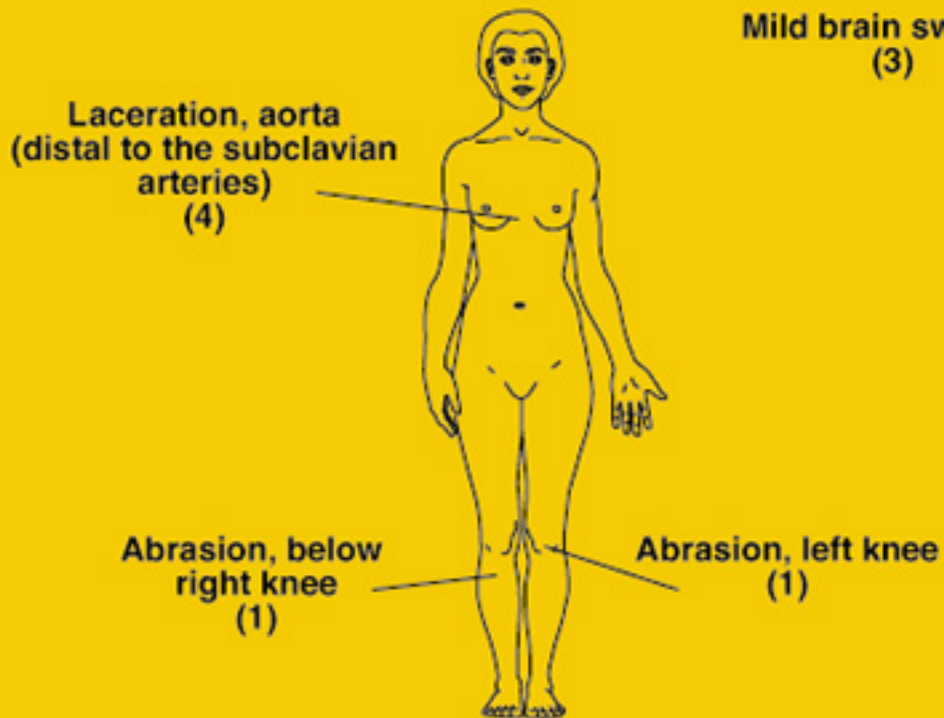
OCCUPANT: (Right front) 29-year-old female

STATURE: 163 cm (5 ft, 4 in)    MASS: 61 kg (134 lb)

RESTRAINTS: Dash-mounted airbag

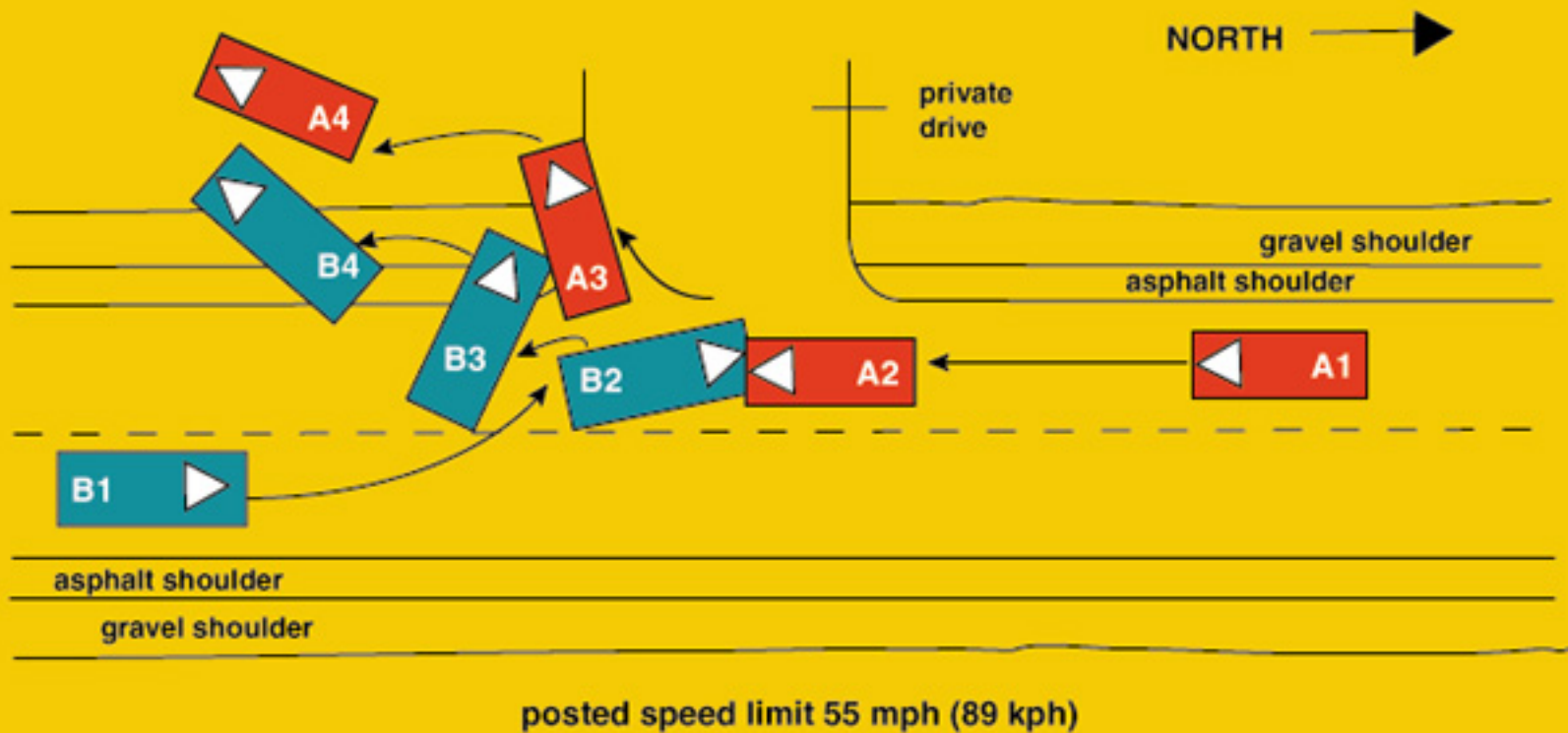
SEVERITY:    MAIS - 4            ISS - 26 (FATAL)

Autopsy report indicates death as a result of  
a lacerated aorta



**Vehicle (B): 1989 Chevrolet Caprice Classic, 4-door sedan**

Light Condition: **Dark/unlighted**



# Vehicle Report

## General

## Conditions

Variable Number and Name	Code Value	Code Description	Other Options
V206 — Urban/Rural Area	2	Rural	<a href="#">more</a>
V207 — Limited Access Highway	0	No	<a href="#">more</a>
V208 — Road Total Lanes	2	2 lanes	<a href="#">more</a>
V209 — Intersecting Road Total Lanes	6	Parking lot/driveway	<a href="#">more</a>
V210 — Road Surface Type	1	Asphalt	<a href="#">more</a>
V211 — Road Defects	0	No	<a href="#">more</a>
V212 — Construction Zone	0	No	<a href="#">more</a>
V213 — Road Alignment Vertical Plane	1	Level	<a href="#">more</a>
V214 — Road Alignment Horizontal Plane	1	Straight	<a href="#">more</a>
V215 — Surface Covering	10	Dry	<a href="#">more</a>
V216 — Visibility Limitation	0	None	<a href="#">more</a>
V217 — Visibility Obstruction	0	None	<a href="#">more</a>
V218 — Speed Limit	6	86-90 km/h .. 55 mph	<a href="#">more</a>
V219 — Precipitation Type	0	None	<a href="#">more</a>
V220 — Precipitation Rate	8	Not applicable	<a href="#">more</a>
V221 — Temperature	9	Unknown	<a href="#">more</a>
V222 — Crosswind	9	Unknown	<a href="#">more</a>
V223 — Light Conditions	5	Dark, unlighted	<a href="#">more</a>
V224 — Mechanical Malfunction Mention	0	No	<a href="#">more</a>
V225 — Case Vehicle and Object	0	No	<a href="#">more</a>



V226 — Case Vehicle Rollover	0	No	<a href="#">more</a>
V227 — Case Vehicle Ran Off Roadway	0	No	<a href="#">more</a>
V228 — Moving Case Vehicle/Contacted Moving Vehicle	1	Yes	<a href="#">more</a>
V229 — Case Vehicle/Contacted Stopped Vehicle	0	No	<a href="#">more</a>
V230 — Stopped Case Vehicle/Contactd Vehicle	0	No	<a href="#">more</a>
V231 — Total Vehicles Hit By Case Vehicle	1	1 vehicle	<a href="#">more</a>
V232 — Any Fire in Crash	0	No	<a href="#">more</a>
V233 — Max Police Severity-PAR	4	K - Fatal	<a href="#">more</a>
V234 — Driver Alcohol Involvement	0	Had not been drinking	<a href="#">more</a>
V235 — Driver Alcohol BAC	80	Not tested	<a href="#">more</a>
V236 — Driver Impairment Mention	0	No	<a href="#">more</a>
V237 — Driven/Towed From Scene	2	Towed Due to Damage	<a href="#">more</a>

## Other Vehicle

Variable Number and Name	Code Value	Code Description	Other Options
V301 — Other Vehicle VIN	1G1BN51E7KR2	—	—
V302 — Other Vehicle Manufacturer/Body Code	11302	—	—
V303 — Other Vehicle Manufacturer	113	Chevrolet	<a href="#">more</a>
V304 — Other Vehicle Body Code	02	Large 115-124.9 inch wheelbase	<a href="#">more</a>
V305 — Other Vehicle Make/Model	0122	Caprice	<a href="#">more</a>
V306 — Other Vehicle Model Year	1989	—	—
V307 — Other Vehicle Mass	001684 kg	—	—
V308 — Other Vehicle Number	0	No separate report	<a href="#">more</a>
V309 — Other Vehicle Number of Occupants	04	—	—
V310 — Other Vehicle Traveling Speed	999	Unknown	<a href="#">more</a>
V311 — Highest Police Injury Severity	3	A - Incapacitating Injury	<a href="#">more</a>
V312 — Other Vehicle Type	02	Large 115-124.9 inch wheelbase	<a href="#">more</a>
V313 — Other Vehicle Wheelbase (cm)	295 cm	—	—
V314 — Average Track Width	149 cm	—	—
V315 — Overall Length	541 cm	—	—
V316 — Overall Width (OAW)	191 cm	—	—
V317 — Front Overhang (FOH)	104 cm	—	—
V318 — Rear Overhang (ROH)	142 cm	—	—
V319 — Undeformed End Width (UEW)	160 cm	—	—
V320 — Engine Displacement	5.0 l	—	—

V321 — Engine: Number of Cylinders	08	—	—
V322 — Direct Damage Length (DDL)	101 cm	—	—
V323 — Front-End Overlap % (FEO)	63	—	—
V324 — Vehicle Overlap % (VOL)	61	—	—

## Case Vehicle

### General

Variable Number and Name	Code Value	Code Description	Other Options
V401 — VIN	1GKDT13S7221	—	—
V402 — Manufacturer/Body Code	11615	—	—
V403 — Vehicle Manufacturer	116	GMC Truck and Coach	<a href="#">more</a>
V404 — Vehicle Body Code	15	—	—
V405 — Make/Model Code	3040	—	—
V406 — Model Year	2002	—	—
V407 — Vehicle Mass	002145 kg	—	—
V408 — Odometer Reading	888888	—	—
V409 — Number of Occupants	02	—	—
V410 — Traveling Speed	114 kph	—	—
V411 — Body Type	22	Large utility (e.g. Suburban)	<a href="#">more</a>
V412 — Stolen Vehicle	8	Not currently collected	<a href="#">more</a>
V413 — Body Structure	1	Body and frame	<a href="#">more</a>
V414 — Transmission Type	1	Automatic	<a href="#">more</a>
V415 — Transmission Lever Location	2	Console	<a href="#">more</a>
V416 — Steering	1	Power	<a href="#">more</a>
V417 — Brakes	1	Power	<a href="#">more</a>
V418 — Brake Type	2	Disc - front wheels	<a href="#">more</a>
V419 — Brake Anti-lock Device	1	Two-wheel	<a href="#">more</a>
V420 — Air Conditioning in Vehicle	8	Not currently collected	<a href="#">more</a>
V421 — Drive Type	1	Rear wheel	<a href="#">more</a>
V422 — Dual Rear Wheels	0	No	<a href="#">more</a>
V423 — Original Restraint System Type	3	Airbag	<a href="#">more</a>

V424 — Equipped With Roll Bar	0	No	<a href="#">more</a>
V425 — Roof Type	4	Sun roof closed	<a href="#">more</a>
V426 — Wheelbase	287 cm	—	—
V427 — Anti-lacerative Glass	0	None	<a href="#">more</a>
V428 — Average Track Width	158 cm	—	—
V429 — Overall Length	487 cm	—	—
V430 — Overall Width (OAW)	190 cm	—	—
V431 — Front Overhang	090 cm	—	—
V432 — Rear Overhang	110 cm	—	—
V433 — Undeformed End Width (UEW)	150 cm	—	—
V434 — Engine Displacement	4.2 <i>l</i>	—	—
V435 — Engine: Number of Cylinders	06	—	—
V436 — Direct Damage Length (DDL)	150 cm	—	—
V437 — Front End Overlap % (FEO)	99	Missing or Not applicable	<a href="#">more</a>
V438 — Vehicle Overlap % (VOL)	99	Missing or Not applicable	<a href="#">more</a>

## Case Vehicle

## Damage

## Description

Variable Number and Name	Code Value	Code Description	Other Options
V501 — Maximum Crush - Front	058 cm	—	—
V502 — Maximum Crush - Right Side	000 cm	No crush (or less than 1 cm.)	<a href="#">more</a>
V503 — Maximum Crush - Rear	000 cm	No crush (or less than 1 cm.)	<a href="#">more</a>
V504 — Maximum Crush - Left Side	025 cm	—	—
V505 — Maximum Crush - Roof	000 cm	No crush (or less than 1 cm.)	<a href="#">more</a>
V506 — Maximum Crush - Other	000 cm	No crush (or less than 1 cm.)	<a href="#">more</a>
V507 — Are Events In Chronological Order	1	Yes	<a href="#">more</a>
V508 — Event 1 Impact Location	1	On Roadway	<a href="#">more</a>
V509 — Event 1 Impact Configuration	11	FRONT of case veh - FRONT of contacted Vehicle	<a href="#">more</a>
V510 — Event 1 Object/Vehicle Contacted	02	Standard/full size	<a href="#">more</a>
V511 — Event 2 Impact Location	1	—	—
V512 — Event 2 Impact Configuration	23	LEFT of case veh - SIDE of cont veh (no sideswipe)	<a href="#">more</a>
V513 — Event 2 Object/Vehicle Contacted	02	Standard/full size	<a href="#">more</a>
V514 — Event 3 Impact Location	8	No 3rd event	<a href="#">more</a>
V515 — Event 3 Impact Configuration	88	No 3rd event	<a href="#">more</a>
V516 — Event 3 Object/Vehicle Contacted	00	No object/vehicle contacted	<a href="#">more</a>
V517 — Event 4 Impact Location	8	No 4th event	<a href="#">more</a>
V518 — Event 4 Impact Configuration	88	No 4th event	<a href="#">more</a>

V519 — Event 4 Object/Vehicle Contacted	00	No object/vehicle contacted	<a href="#">more</a>
V520 — Event 5 Impact Location	8	No 5th event	<a href="#">more</a>
V521 — Event 5 Impact Configuration	88	No 5th event	<a href="#">more</a>
V522 — Event 5 Object/Vehicle Contacted	00	No object/vehicle contacted	<a href="#">more</a>
V523 — Event 6 Impact Location	8	No 6th event	<a href="#">more</a>
V524 — Event 6 Impact Configuration	88	No 6th event	<a href="#">more</a>
V525 — Event 6 Object/Vehicle Contacted	00	No object/vehicle contacted	<a href="#">more</a>
V526 — Event 7 Impact On Road	8	No 7th event	<a href="#">more</a>
V527 — Event 7 Impact Configuration	88	No 7th event	<a href="#">more</a>
V528 — Event 7 Object/Vehicle Contacted	00	No object/vehicle contacted	<a href="#">more</a>
V529 — Primary CDC Case Vehicle -event Number	1	Event 1	<a href="#">more</a>
V530 — Primary CDC Case Vehicle - impact speed	999	Unknown	<a href="#">more</a>
V531 — Primary CDC Case Vehicle - Estimated By	1	Investigator	<a href="#">more</a>
V532 — Primary CDC Case Vehicle -crush	058	—	—
V533 — Primary CDC Case Vehicle -clock #1	12	12 o'clock	<a href="#">more</a>
V534 — Primary CDC Case Vehicle letter 1 #1	06	F - Front	<a href="#">more</a>
V535 — Primary CDC Case Vehicle letter 2 #1	04	D - Distributed (Side or End)	<a href="#">more</a>
V536 — Primary CDC Case Vehicle letter 3 #1	05	E - Everything below belt line	<a href="#">more</a>
V537 — Primary CDC Case Vehicle letter 4 #1	23	W - Wide impact area	<a href="#">more</a>
V538 — Primary CDC Case Vehicle Extent #1	03	Extent 3	<a href="#">more</a>
V539 — Primary CDC Case Vehicle -CDC #1	12FDEW3	—	—

V541 — Primary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V542 — Primary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V543 — Primary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V544 — Primary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V545 — Primary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	<a href="#">more</a>
V546 — Primary CDC Case Vehicle -CDC #2	9800000	—	—
V547 — Primary CDC Contacted Vehicle - Impact Speed	999	Unknown	<a href="#">more</a>
V548 — Primary CDC Contacted Vehicle - Estimated By	1	Investigator	<a href="#">more</a>
V549 — Primary CDC Contacted Vehicle -crush	110	—	—
V550 — Primary CDC Contacted Vehicle -clock #1	12	12 o'clock	<a href="#">more</a>
V551 — Primary CDC Contacted Vehicle letter 1 #1	06	F - Front	<a href="#">more</a>
V552 — Primary CDC Contacted Vehicle letter 2 #1	26	Z - Side or end (B + P or R + C)	<a href="#">more</a>
V553 — Primary CDC Contacted Vehicle letter 3 #1	05	E - Everything below belt line	<a href="#">more</a>
V554 — Primary CDC Contacted Vehicle letter 4 #1	23	W - Wide impact area	<a href="#">more</a>
V555 — Primary CDC Contacted Vehicle Extent #1	04	Extent 4	<a href="#">more</a>
V556 — Primary CDC Contacted Vehicle -CDC #1	12FZEW4	—	—
V558 — Primary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V559 — Primary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V560 — Primary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V561 — Primary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>



V562 — Primary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	<a href="#">more</a>
V563 — Primary CDC Contacted Vehicle -CDC #2	9800000	—	—
V564 — Secondary CDC Case Vehicle - Event No	2	Event 1	<a href="#">more</a>
V565 — Secondary CDC Case Vehicle - Impact Speed	999	Unknown	<a href="#">more</a>
V566 — Secondary CDC Case Vehicle - Estimated By	1	—	—
V567 — Secondary CDC Case Vehicle -crush	025	—	—
V568 — Secondary CDC Case Vehicle -clock #1	09	9 o'clock	<a href="#">more</a>
V569 — Secondary CDC Case Vehicle letter 1 #1	12	L - Left Side	<a href="#">more</a>
V570 — Secondary CDC Case Vehicle letter 2 #1	16	P - Side Center Section (Left or Right)	<a href="#">more</a>
V571 — Secondary CDC Case Vehicle letter 3 #1	05	E - Everything below belt line	<a href="#">more</a>
V572 — Secondary CDC Case Vehicle letter 4 #1	23	W - Wide impact area	<a href="#">more</a>
V573 — Secondary CDC Case Vehicle Extent #1	02	Extent 2	<a href="#">more</a>
V574 — Secondary CDC Case Vehicle -CDC #1	09LPEW2	—	—
V576 — Secondary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V577 — Secondary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V578 — Secondary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V579 — Secondary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V580 — Secondary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	<a href="#">more</a>
V581 — Secondary CDC Case Vehicle -CDC #2	9800000	—	—
V582 — Secondary CDC Contacted Vehicle - Impact Speed	999	Unknown	<a href="#">more</a>

V583 — Secondary CDC Contacted Vehicle - Estimated By	1	—	—
V584 — Secondary CDC Contacted Vehicle -crush	999	Unknown	<a href="#">more</a>
V585 — Secondary CDC Contacted Vehicle -clock #1	99	Unknown or no damage	<a href="#">more</a>
V586 — Secondary CDC Contacted Vehicle letter 1 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V587 — Secondary CDC Contacted Vehicle letter 2 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V588 — Secondary CDC Contacted Vehicle letter 3 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V589 — Secondary CDC Contacted Vehicle letter 4 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V590 — Secondary CDC Contacted Vehicle Extent #1	00	Missing Data/Not applicable	<a href="#">more</a>
V591 — Secondary CDC Contacted Vehicle -CDC #1	9900000	—	—
V593 — Secondary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V594 — Secondary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V595 — Secondary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V596 — Secondary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V597 — Secondary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	<a href="#">more</a>
V598 — Secondary CDC Contacted Vehicle -CDC #2	9900000	—	—

## Crash Severity

Variable Number and Name	Code Value	Code Description	Other Options
V601 — Case Vehicle Primary Impact Number	1	—	—
V602 — Primary Impact Total Delta-V	064 kph	—	—
V603 — Primary Case Vehicle Reconstructed Longitudinal Delta-V	-063 kph	—	—
V604 — Primary Case Vehicle Reconstructed Lateral Delta-V	0011 kph	—	—
V605 — Primary Case Vehicle Reconstructed Crush Energy	0161 kJ	—	—
V606 — Primary Impact Case Vehicle -reconstruction	22	Reconstructed, moderate confidence level	<a href="#">more</a>
V607 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	<a href="#">more</a>
V608 — Primary Contacted Vehicle Reconstructed Total Delta-V	075 kph	—	—
V609 — Primary Contacted Vehicle Reconstructed Longitudinal Delta-V	-074 kph	—	—
V610 — Primary Contacted Vehicle Reconstructed Lateral Delta-V	0013 kph	—	—
V611 — Primary Contacted Vehicle Reconstructed Crush Energy	0070 kJ	—	—
V612 — Case Vehicle Secondary Impact Number	2	—	—
V613 — Secondary Case Vehicle Reconstructed Total Delta-V	011 kph	—	—
V614 — Secondary Case Vehicle Reconstructed Longitudinal Delta-V	0000 kph	—	—
V615 — Secondary Case Vehicle Reconstructed Lateral Delta-V	0011 kph	—	—
V616 — Secondary Case Vehicle Reconstructed Crush Energy	0012 kJ	—	—
V617 — Secondary Case Vehicle Reconstruction Note	22	Reconstructed, moderate confidence level	<a href="#">more</a>

V618 — Secondary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	<a href="#">more</a>
V619 — Secondary Contacted Vehicle Reconstructed Total Delta-V	999	Unknown	<a href="#">more</a>
V620 — Secondary Contacted Vehicle Reconstructed Longitudinal Delta-V	9999	—	—
V621 — Secondary Contacted Vehicle Reconstructed Lateral Delta-V	9999	—	—
V622 — Secondary Contacted Vehicle Reconstructed Crush Energy	9999	—	—
V623 — Case Vehicle Primary Impact Number	1	—	—
V624 — Primary Case Vehicle Reconstructed Total EBS	064 kph	—	—
V625 — Primary Case Vehicle Reconstructed Longitudinal EBS	-063 kph	—	—
V626 — Primary Case Vehicle Reconstructed Lateral EBS	0011 kph	—	—
V627 — Primary Case Vehicle Reconstructed Crush Energy	0161 kJ	—	—
V628 — Primary Case Vehicle Reconstruction Note	22	Reconstructed, moderate confidence level	<a href="#">more</a>
V629 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	<a href="#">more</a>
V630 — Primary Contacted Vehicle Reconstruction Total EBS	075 kph	—	—
V631 — Primary Contacted Vehicle Reconstruction Longitudinal EBS	-074 kph	—	—
V632 — Primary Contacted Vehicle Reconstruction Lateral EBS	0013 kph	—	—
V633 — Primary Contacted Vehicle Reconstruction Crush Energy	0070 kJ	—	—
V634 — Case Vehicle Secondary Impact Number	2	—	—
V635 — Secondary Case Vehicle Reconstruction Total EBS	011 kph	—	—
V636 — Secondary Case Vehicle Reconstruction Longitudinal EBS	0000 kph	—	—
V637 — Secondary Case Vehicle Reconstruction Lateral EBS	0011 kph	—	—

V638 — Secondary Case Vehicle Reconstruction Crush Energy	0012 kJ	—	—
V639 — Secondary Case Vehicle Reconstruction Note	22	Reconstructed, moderate confidence level	<a href="#">more</a>
V640 — Secondary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	<a href="#">more</a>
V641 — Secondary Contacted Vehicle Reconstruction Total EBS	888	N/A	<a href="#">more</a>
V642 — Secondary Contacted Vehicle Reconstruction Longitudinal EBS	8888	—	—
V643 — Secondary Contacted Vehicle Reconstruction Lateral EBS	8888	—	—
V644 — Secondary Contacted Vehicle Reconstruction Crush Energy	8888	—	—
V645 — Case Vehicle Reconstructed Impact Number	1	—	—
V646 — Case Vehicle Impact 1 Plane	1	Bumper	<a href="#">more</a>
V647 — Case Vehicle Impact 1 Direct Damage Length [DDL]	150 cm	—	—
V648 — Case Vehicle Impact 1 Max Crush	058 cm	—	—
V649 — Case Vehicle Impact 1 Field-L	096 cm	—	—
V650 — Case Vehicle Impact 1 C1	021 cm	—	—
V651 — Case Vehicle Impact 1 C2	052 cm	—	—
V652 — Case Vehicle Impact 1 C3	058 cm	—	—
V653 — Case Vehicle Impact 1 C4	052 cm	—	—
V654 — Case Vehicle Impact 1 C5	032 cm	—	—
V655 — Case Vehicle Impact 1 C6	028 cm	—	—
V656 — Case Vehicle Impact 1 +/- D	0000 cm	—	—
V657 — Case Vehicle Reconstructed Impact Number	2	—	—
V658 — Case Vehicle Impact 2 Plane	4	Above sill	<a href="#">more</a>
V659 — Case Vehicle Impact 2 Direct Damage Length [DDL]	059 cm	—	—
V660 — Case Vehicle Impact 2 Max	025 cm	—	—

Crush			
V661 — Case Vehicle Impact 2 Field-L	100 cm	—	—
V662 — Case Vehicle Impact 2 C1	000 cm	No Crush	<a href="#">more</a>
V663 — Case Vehicle Impact 2 C2	002 cm	—	—
V664 — Case Vehicle Impact 2 C3	012 cm	—	—
V665 — Case Vehicle Impact 2 C4	025 cm	—	—
V666 — Case Vehicle Impact 2 C5	016 cm	—	—
V667 — Case Vehicle Impact 2 C6	000 cm	No Crush	<a href="#">more</a>
V668 — Case Vehicle Impact 2 +/- D	-071 cm	—	—
V669 — Other Vehicle Reconstructed Impact Number	1	—	—
V670 — Other Vehicle Impact 1 Plane	1	Bumper	<a href="#">more</a>
V671 — Other Vehicle Impact 1 Direct Damage Length [DDL]	101 cm	—	—
V672 — Other Vehicle Impact 1 Max Crush	110 cm	—	—
V673 — Other Vehicle Impact 1 Field-L	078 cm	—	—
V674 — Other Vehicle Impact 1 C1	000 cm	No Crush	<a href="#">more</a>
V675 — Other Vehicle Impact 1 C2	082 cm	—	—
V676 — Other Vehicle Impact 1 C3	082 cm	—	—
V677 — Other Vehicle Impact 1 C4	079 cm	—	—
V678 — Other Vehicle Impact 1 C5	083 cm	—	—
V679 — Other Vehicle Impact 1 C6	110 cm	—	—
V680 — Other Vehicle Impact 1 +/- D	0000 cm	—	—
V681 — Other Vehicle Reconstructed Impact Number	2	—	—
V682 — Other Vehicle Impact 2 Plane	4	Above sill	<a href="#">more</a>
V683 — Other Vehicle Impact 2 Direct Damage Length [DDL]	999	Unknown	<a href="#">more</a>
V684 — Other Vehicle Impact 2 Max Crush	999	Unknown	<a href="#">more</a>

V685 — Other Vehicle Impact 2 Field-L	999	Unknown	<a href="#">more</a>
V686 — Other Vehicle Impact 2 C1	999	Unknown	<a href="#">more</a>
V687 — Other Vehicle Impact 2 C2	999	Unknown	<a href="#">more</a>
V688 — Other Vehicle Impact 2 C3	999	Unknown	<a href="#">more</a>
V689 — Other Vehicle Impact 2 C4	999	Unknown	<a href="#">more</a>
V690 — Other Vehicle Impact 2 C5	999	Unknown	<a href="#">more</a>
V691 — Other Vehicle Impact 2 C6	999	Unknown	<a href="#">more</a>
V692 — Other Vehicle Impact 2 +/- D	0999 cm	—	—

## Case Vehicle

### Tires & Rims

Variable Number and Name	Code Value	Code Description	Other Options
V701 — Left Front Wheel Damaged	0	No	<a href="#">more</a>
V702 — Right Front Wheel Damaged	0	No	<a href="#">more</a>
V703 — Right Rear Wheel Damaged	0	No	<a href="#">more</a>
V704 — Left Rear Wheel Damaged	1	Yes	<a href="#">more</a>
V705 — Left Front Tire Tread Type	4	All Weather	<a href="#">more</a>
V706 — Right Front Tire Tread Type	4	All Weather	<a href="#">more</a>
V707 — Right Rear Tire Tread Type	4	All Weather	<a href="#">more</a>
V708 — Left Rear Tire Tread Type	4	All Weather	<a href="#">more</a>
V709 — Left Front Carcass Construction	3	Radial	<a href="#">more</a>
V710 — Right Front Carcass Construction	3	Radial	<a href="#">more</a>
V711 — Right Rear Carcass Construction	3	Radial	<a href="#">more</a>
V712 — Left Rear Carcass Construction	3	Radial	<a href="#">more</a>
V717 — Left Front Tire Size	P22565R17	—	—
V718 — Right Front Tire Size	P22565R17	—	—
V719 — Right Rear Tire Size	P22565R17	—	—
V720 — Left Rear Tire Size	P22565R17	—	—



## Case Vehicle

### Fuel, Tank, Fire

Variable Number and Name	Code Value	Code Description	Other Options
V801 — Propulsive Fuel Type	1	Gasoline	<a href="#">more</a>
V802 — Main Tank Location	322	Within frame/centered laterally - within vertically	<a href="#">more</a>
V803 — Main Filler Cap Location	113	Left of frame laterally - above vertically	<a href="#">more</a>
V804 — Main Tank Material	9	Unknown	<a href="#">more</a>
V805 — Aux Tank Type	8	Not applicable (not equipped)	<a href="#">more</a>
V806 — Aux Tank Location	888	Not applicable (not equipped)	<a href="#">more</a>
V807 — Aux Filler Cap Location	888	Not applicable (not equipped)	<a href="#">more</a>
V808 — Aux Tank Material	8	Not applicable	<a href="#">more</a>
V901 — Fuel Leakage From Crash	0	No	<a href="#">more</a>
V1001 — Fire In Or On Case Vehicle	0	No	<a href="#">more</a>

## Case Vehicle

### Exterior

Variable Number and Name	Code Value	Code Description	Other Options
V1101 — Hood Latch Released	1	Yes	<a href="#">more</a>
V1102 — Hood Latch Damaged	1	Yes	<a href="#">more</a>
V1103 — Hood Latch Jammed	0	No	<a href="#">more</a>
V1104 — Left Hood Hinge Damaged	1	Yes	<a href="#">more</a>
V1105 — Left Hood Hinge Separated	0	No	<a href="#">more</a>
V1106 — Right Hood Hinge Damaged	1	Yes	<a href="#">more</a>
V1107 — Right Hood Hinge Separated	0	No	<a href="#">more</a>
V1108 — Hood Remained On Vehicle	1	Yes	<a href="#">more</a>
V1109 — Rear Hood Edge Elevated	1	Yes	<a href="#">more</a>
V1110 — Edge Contacted Windshield	0	No	<a href="#">more</a>
V1111 — Edge Penetrated Windshield	8	Not applicable	<a href="#">more</a>
V1112 — Hood Latch Location	1	Front of Vehicle	<a href="#">more</a>
V1113 — Eng/Transmissn Mount Separation	0	No	<a href="#">more</a>
V1114 — Steerng Column Flex Coupling	9	Unknown if equipped	<a href="#">more</a>
V1115 — Steerng Column Coupling Damaged	9	Unknown	<a href="#">more</a>
V1116 — Steerng Column Coupling Separated	9	Unknown	<a href="#">more</a>
V1117 — Eng Comp Telescopng Unit	88	Not collected	<a href="#">more</a>
V1118 — Comp Orig/Telescopd Diff	888	Not collected	<a href="#">more</a>

V1119 — Left Side Body Mount Separation	0	No	<a href="#">more</a>
V1120 — Upper Left A-pillar Separation	0	No	<a href="#">more</a>
V1121 — Lower Left A-pillar Separation	0	No	<a href="#">more</a>
V1122 — Upper Left B-pillar Separation	0	No	<a href="#">more</a>
V1123 — Lower Left B-pillar Separation	0	No	<a href="#">more</a>
V1124 — Upper Left C-pillar Separation	0	No	<a href="#">more</a>
V1125 — Lower Left C-pillar Separation	0	No	<a href="#">more</a>
V1126 — Upper Left D-pillar Separation	0	No	<a href="#">more</a>
V1127 — Lower Left D-pillar Separation	0	No	<a href="#">more</a>
V1128 — Left Front Door Opening Cause	0	Door did not open	<a href="#">more</a>
V1129 — Left Rear Door Opening Cause	0	Door did not open	<a href="#">more</a>
V1130 — Left Front Door Jammed Closed	0	No	<a href="#">more</a>
V1131 — Left Rear Door Jammed Closed	1	Yes	<a href="#">more</a>
V1132 — Rear Door Type	2	One-way tailgate	<a href="#">more</a>
V1133 — Rear Door Opening Cause	0	Door did not open	<a href="#">more</a>
V1134 — Rear Door Jammed Closed	0	No	<a href="#">more</a>
V1135 — Luggage Partition Damagd	8	Not applicable	<a href="#">more</a>
V1136 — Spare Tire Status	8	Not collected	<a href="#">more</a>
V1137 — Trailer Hitch Type	3	Bumper and frame (but non-equalizing)	<a href="#">more</a>
V1138 — Trailer Type	0	No trailer	<a href="#">more</a>
V1139 — Right Side Body Mount Separation	0	No	<a href="#">more</a>

V1140 — Upper Right A-pillar Separation	0	No	<a href="#">more</a>
V1141 — Lower Right A-pillar Separation	0	No	<a href="#">more</a>
V1142 — Upper Right B-pillar Separation	0	No	<a href="#">more</a>
V1143 — Lower Right B-pillar Separation	0	No	<a href="#">more</a>
V1144 — Upper Right C-pillar Separation	0	No	<a href="#">more</a>
V1145 — Lower Right C-pillar Separation	0	No	<a href="#">more</a>
V1146 — Upper Right D-pillar Separation	0	No	<a href="#">more</a>
V1147 — Lower Right D-pillar Separation	0	No	<a href="#">more</a>
V1148 — Right Front Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1149 — Right Rear Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1150 — Right Front Door Jammed Closed	0	No	<a href="#">more</a>
V1151 — Right Rear Door Jammed Closed	0	No	<a href="#">more</a>
V1152 — Van Rear Door Type	8	Not applicable (not a van)	<a href="#">more</a>
V1153 — Windshield Cracked		Yes	<a href="#">more</a>
V1154 — Windshield Broken	0	No	<a href="#">more</a>
V1155 — Windshield Cracked or Broken by Occupant	0	No	<a href="#">more</a>
V1156 — Bond Separation Extent	0	None	<a href="#">more</a>
V1157 — Windshield Code		—	—
V1158 — Did Sun/T Roof Open	1	Yes	<a href="#">more</a>

## Case Vehicle

### Steering

#### Column/Rim

Variable Number and Name	Code Value	Code Description	Other Options
V1201 — Steering Wheel Rim Damage	1	Deformed slightly	<a href="#">more</a>
V1202 — Number of Steering Wheel Spokes	4	4 spokes	<a href="#">more</a>
V1203 — Steering Wheel Spoke Damage	1	Deformed slightly	<a href="#">more</a>
V1204 — Column Tilt Feature	1	Yes, equipped (position unknown)	<a href="#">more</a>
V1205 — Column Swing-away Feature	0	Not equipped	<a href="#">more</a>
V1206 — Column Telescoping Feature	0	Not equipped	<a href="#">more</a>
V1207 — Wheel Energy Absorb Device	8	Not collected	<a href="#">more</a>
V1208 — Wheel Ea Orig/Damaged Diff	888	Not collected	<a href="#">more</a>
V1209 — Column Energy Absorb Device	88	Not collected	<a href="#">more</a>
V1210 — Column Ea Orig/Comprss Diff	888	Not collected	<a href="#">more</a>
V1211 — Shear Capsule Separation	888	Not collected	<a href="#">more</a>
V1212 — Column Vertical Rotation	1	Upward apparent rotation	<a href="#">more</a>
V1213 — Column Lateral Rotation	1	Left apparent rotation	<a href="#">more</a>
V1214 — Steering Wheel Hub Damage	0	None	<a href="#">more</a>

## Case Vehicle

### Intrusion

Variable Number and Name	Code Value	Code Description	Other Options
V1301 — Occupant Compartment Intrusion	0	No	<a href="#">more</a>
V1302 — Was Intrusion Catastrophic	8	Not applicable	<a href="#">more</a>
V1303 — Intrusion Number 01	00	No Intrusion, None	<a href="#">more</a>
V1304 — Intrusion 01 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1305 — Intrusion 01 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1306 — Intrusion 01 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1307 — Intrusion 01 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1308 — Intrusion 01 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1309 — Intrusion 01 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1310 — Intrusion 01 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1311 — Intrusion 01 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1312 — Intrusion 01 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1313 — Intrusion 01 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1314 — Intrusion Number 02	00	No Intrusion, None	<a href="#">more</a>
V1315 — Intrusion 02 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1316 — Intrusion 02 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1317 — Intrusion 02 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>

V1318 — Intrusion 02 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1319 — Intrusion 02 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1320 — Intrusion 02 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1321 — Intrusion 02 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1322 — Intrusion 02 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1323 — Intrusion 02 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1324 — Intrusion 02 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1325 — Intrusion Number 03	00	No Intrusion, None	<a href="#">more</a>
V1326 — Intrusion 03 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1327 — Intrusion 03 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1328 — Intrusion 03 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1329 — Intrusion 03 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1330 — Intrusion 03 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1331 — Intrusion 03 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1332 — Intrusion 03 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1333 — Intrusion 03 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1334 — Intrusion 03 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1335 — Intrusion 03 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1336 — Intrusion Number 04	00	No Intrusion, None	<a href="#">more</a>
V1337 — Intrusion 04 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1338 — Intrusion 04 Intruding	00	No Intrusion, None	<a href="#">more</a>

Object			
V1339 — Intrusion 04 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1340 — Intrusion 04 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1341 — Intrusion 04 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1342 — Intrusion 04 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1343 — Intrusion 04 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1344 — Intrusion 04 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1345 — Intrusion 04 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1346 — Intrusion 04 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1347 — Intrusion Number 05	00	No Intrusion, None	<a href="#">more</a>
V1348 — Intrusion 05 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1349 — Intrusion 05 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1350 — Intrusion 05 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1351 — Intrusion 05 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1352 — Intrusion 05 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1353 — Intrusion 05 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1354 — Intrusion 05 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1355 — Intrusion 05 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1356 — Intrusion 05 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1357 — Intrusion 05 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1358 — Intrusion Number 06	00	No Intrusion, None	<a href="#">more</a>



V1359 — Intrusion 06 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1360 — Intrusion 06 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1361 — Intrusion 06 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1362 — Intrusion 06 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1363 — Intrusion 06 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1364 — Intrusion 06 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1365 — Intrusion 06 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1366 — Intrusion 06 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1367 — Intrusion 06 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1368 — Intrusion 06 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1369 — Intrusion Number 07	00	No Intrusion, None	<a href="#">more</a>
V1370 — Intrusion 07 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1371 — Intrusion 07 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1372 — Intrusion 07 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1373 — Intrusion 07 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1374 — Intrusion 07 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1375 — Intrusion 07 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1376 — Intrusion 07 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1377 — Intrusion 07 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1378 — Intrusion 07 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>

V1379 — Intrusion 07 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1380 — Intrusion Number 08	00	No Intrusion, None	<a href="#">more</a>
V1381 — Intrusion 08 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1382 — Intrusion 08 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1383 — Intrusion 08 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1384 — Intrusion 08 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1385 — Intrusion 08 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1386 — Intrusion 08 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1387 — Intrusion 08 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1388 — Intrusion 08 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1389 — Intrusion 08 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1390 — Intrusion 08 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1391 — Intrusion Number 09	00	No Intrusion, None	<a href="#">more</a>
V1392 — Intrusion 09 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1393 — Intrusion 09 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1394 — Intrusion 09 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1395 — Intrusion 09 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1396 — Intrusion 09 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1397 — Intrusion 09 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1398 — Intrusion 09 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1399 — Intrusion 09 Injury	00	No injury or no intrusion	<a href="#">more</a>

Number			
V1400 — Intrusion 09 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1401 — Intrusion 09 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1402 — Intrusion Number 10	00	No Intrusion, None	<a href="#">more</a>
V1403 — Intrusion 10 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1404 — Intrusion 10 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1405 — Intrusion 10 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1406 — Intrusion 10 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1407 — Intrusion 10 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1408 — Intrusion 10 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1409 — Intrusion 10 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1410 — Intrusion 10 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1411 — Intrusion 10 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1412 — Intrusion 10 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1413 — Door Intrusion Number 01	88	Not Applicable	<a href="#">more</a>
V1414 — Door Intrusion Number 01 Cause	8	Not applicable	<a href="#">more</a>
V1415 — Door Intrusion Number 02	88	Not Applicable	<a href="#">more</a>
V1416 — Door Intrusion Number 02 Cause	8	Not applicable	<a href="#">more</a>
V1417 — Door Intrusion Number 03	88	Not Applicable	<a href="#">more</a>
V1418 — Door Intrusion Number 03 Cause	8	Not applicable	<a href="#">more</a>
V1419 — Door Intrusion 01	88	Not Applicable	<a href="#">more</a>

Component			
V1420 — Door Intrusion 01 Component Damaged 1	8	Not Applicable	<a href="#">more</a>
V1421 — Door Intrusion 01 Component Damaged 2	8	Not Applicable	<a href="#">more</a>
V1422 — Door Intrusion 02 Component	88	Not Applicable	<a href="#">more</a>
V1423 — Door Intrusion 02 Component Damaged 1	8	Not Applicable	<a href="#">more</a>
V1424 — Door Intrusion 02 Component Damaged 2	8	Not Applicable	<a href="#">more</a>
V1425 — Door Intrusion 03 Component	88	Not Applicable	<a href="#">more</a>
V1426 — Door Intrusion 03 Component Damaged 1	8	Not Applicable	<a href="#">more</a>
V1427 — Door Intrusion 03 Component Damaged 2	8	Not Applicable	<a href="#">more</a>
V1428 — Door Intrusion 04 Component	88	Not Applicable	<a href="#">more</a>
V1429 — Door Intrusion 04 Component Damaged 1	8	Not Applicable	<a href="#">more</a>
V1430 — Door Intrusion 04 Component Damaged 2	8	Not Applicable	<a href="#">more</a>

## Case Vehicle

### Airbag(s)

Variable Number and Name	Code Value	Code Description	Other Options
V1501 — Driver Airbag Equipped	1	Yes	<a href="#">more</a>
V1502 — Driver Airbag Deployed	1	Yes	<a href="#">more</a>
V1503 — Driver Airbag Condition	0	No Damage	<a href="#">more</a>
V1504 — Passenger Airbag Equip	1	Yes	<a href="#">more</a>
V1505 — Passenger Airbag Deployed	1	Yes	<a href="#">more</a>
V1506 — Passenger Airbag Condition	0	No Damage	<a href="#">more</a>
V1507 — Steering Wheel Airbag Tether	1	Yes	<a href="#">more</a>
V1508 — Driver Airbag Marked By Contact	1	Yes	<a href="#">more</a>
V1509 — Passenger Airbag Tether	0	No	<a href="#">more</a>
V1510 — Passenger Airbag Marked By Contact	1	Yes	<a href="#">more</a>

## Case Vehicle

### Interior

Variable Number and Name	Code Value	Code Description	Other Options
V1601 — Left Front Door Damaged	0	No	<a href="#">more</a>
V1602 — Right Front Door Damaged	0	No	<a href="#">more</a>
V1603 — Left Front Hardware Damaged	0	No	<a href="#">more</a>
V1604 — Right Front Hardware Damaged	0	No	<a href="#">more</a>
V1605 — Left Front Armrest Damaged	0	No	<a href="#">more</a>
V1606 — Right Front Armrest Damaged	0	No	<a href="#">more</a>
V1607 — Left Front Glass Damaged	0	No	<a href="#">more</a>
V1608 — Right Front Glass Damaged	0	No	<a href="#">more</a>
V1609 — Left Rear Door Area Damaged	1	Yes	<a href="#">more</a>
V1610 — Right Rear Door Area Damaged	0	No	<a href="#">more</a>
V1611 — Left Rear Hardware Damaged	0	No	<a href="#">more</a>
V1612 — Right Rear Hardware Damaged	0	No	<a href="#">more</a>
V1613 — Left Rear Armrest Damaged	0	No	<a href="#">more</a>
V1614 — Right Rear Armrest Damaged	0	No	<a href="#">more</a>
V1615 — Left Rear Glass Damaged	0	No	<a href="#">more</a>
V1616 — Right Rear Glass Damaged	0	No	<a href="#">more</a>
V1617 — Left Roof Side Rail Damaged	0	No	<a href="#">more</a>

V1618 — Right Roof Side Rail Damaged	0	No	<a href="#">more</a>
V1619 — Left B-pillar Damaged	0	No	<a href="#">more</a>
V1620 — Right B-pillar Damaged	0	No	<a href="#">more</a>
V1621 — Left C-pillar Damaged	0	No	<a href="#">more</a>
V1622 — Right C-pillar Damaged	0	No	<a href="#">more</a>
V1623 — Left D-pillar Damaged	0	No	<a href="#">more</a>
V1624 — Right D-pillar Damaged	0	No	<a href="#">more</a>
V1625 — Left Headlining Damaged	0	No	<a href="#">more</a>
V1626 — Right Headlining Damaged	0	No	<a href="#">more</a>
V1627 — Left Roof Structure Damaged	0	No	<a href="#">more</a>
V1628 — Right Roof Structure Damaged	0	No	<a href="#">more</a>
V1629 — Left T/Sun Roof Damaged	0	No	<a href="#">more</a>
V1630 — Right T/Sun Roof Damaged	0	No	<a href="#">more</a>
V1631 — Other Left Side Item Damaged	8	Not applicable	<a href="#">more</a>
V1632 — Other Right Side Item Damaged	8	Not applicable	<a href="#">more</a>
V1633 — Foot Controls Damaged	0	No	<a href="#">more</a>
V1634 — Ignition Key Damaged	0	No	<a href="#">more</a>
V1635 — Rear View Mirror Damaged	1	Yes	<a href="#">more</a>
V1636 — Sunvisor/Fitting Damaged	0	No	<a href="#">more</a>
V1637 — Windshield Molding Damaged	0	No	<a href="#">more</a>
V1638 — Left A-pillar Damaged	0	No	<a href="#">more</a>
V1639 — Right A-pillar Damaged	0	No	<a href="#">more</a>
V1640 — Center Console Damaged	4	Yes, occupant contact	<a href="#">more</a>

V1641 — Transmission Lever Damaged	0	No	<a href="#">more</a>
V1642 — Horn/Spoke Shroud Damaged	0	No	<a href="#">more</a>
V1643 — Upper Panel Damaged	0	No	<a href="#">more</a>
V1644 — Mid Panel Damaged	1	Yes	<a href="#">more</a>
V1645 — Lower Panel Damaged	4	Yes, occupant contact	<a href="#">more</a>
V1646 — Ashtray Damaged	0	No	<a href="#">more</a>
V1647 — Control Knob/Lever Damaged	0	No	<a href="#">more</a>
V1648 — Glove Compartment Area Damaged	4	Yes, occupant contact	<a href="#">more</a>
V1649 — Instruments Damaged	0	No	<a href="#">more</a>
V1650 — Park Brake Release Damaged	0	No	<a href="#">more</a>
V1651 — Park Brake Pedal Damaged	0	No	<a href="#">more</a>
V1652 — A/C Or Upper Vent Damaged	0	No	<a href="#">more</a>
V1653 — Heater Or A/C Duct Damaged	0	No	<a href="#">more</a>
V1654 — Radio Damaged	0	No	<a href="#">more</a>
V1655 — Other Item Damaged	8	Not applicable	<a href="#">more</a>
V1656 — Rear Window Damaged	0	No	<a href="#">more</a>
V1657 — Rear Window Header Damaged	0	No	<a href="#">more</a>
V1658 — Vertical Console Damaged	0	No	<a href="#">more</a>
V1659 — Roof Console Damaged	8	Not applicable	<a href="#">more</a>

## Case Vehicle

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## Seats

Variable Number and Name	Code	Code Description	Other
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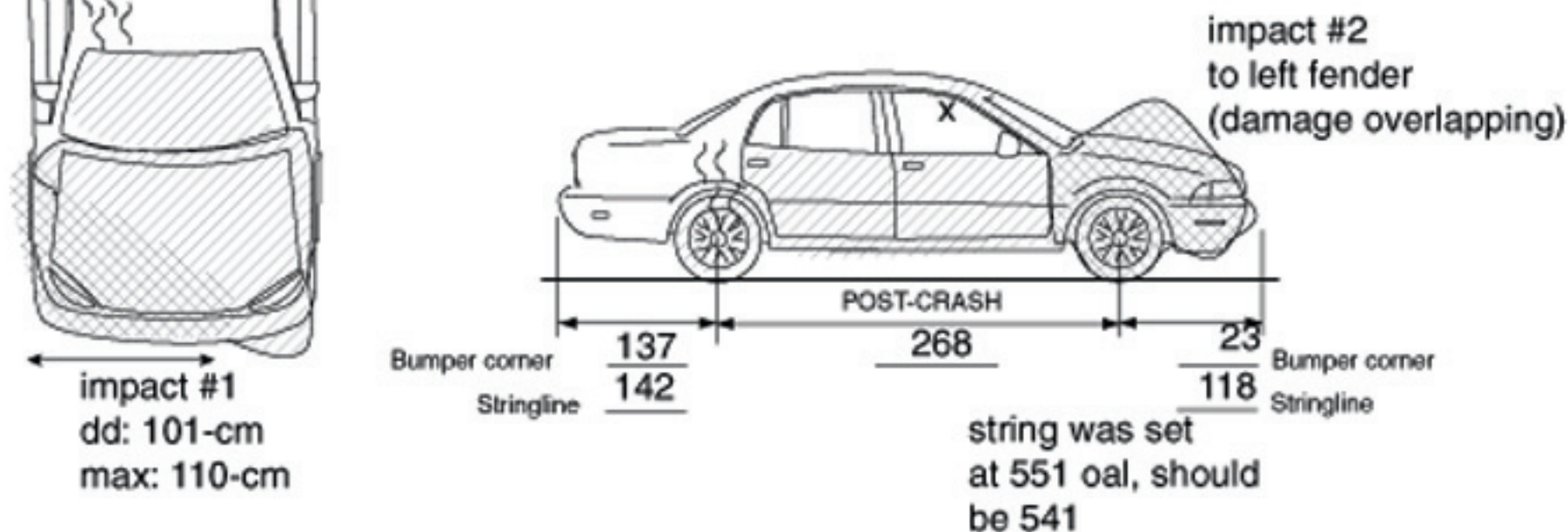
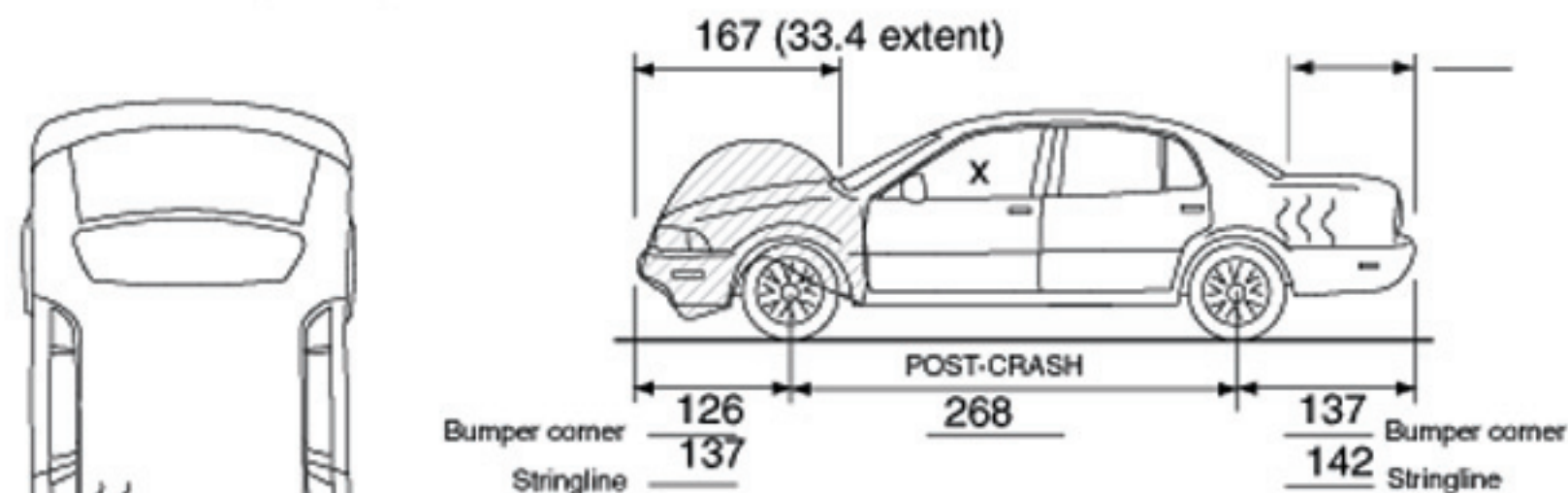
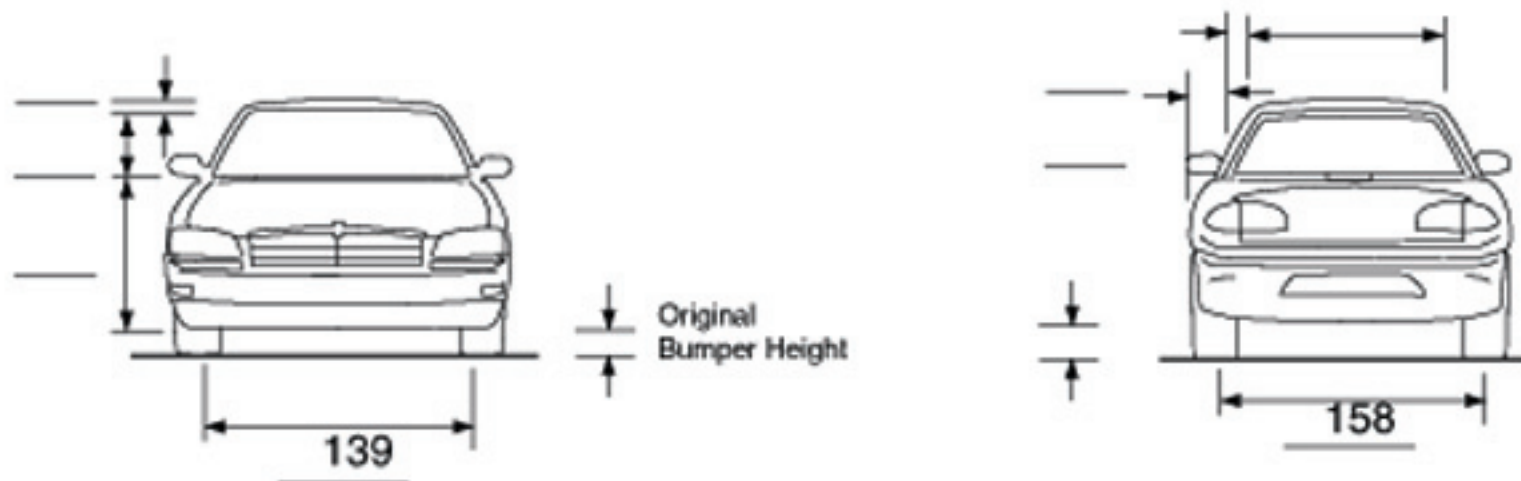


	Value		Options
V1701 — Driver Front Seat Type	05	Bucket	<a href="#">more</a>
V1702 — Passenger Front Seat Type	05	Bucket	<a href="#">more</a>
V1703 — Driver Seat Mount Type	1	Standard	<a href="#">more</a>
V1704 — Passenger Seat Mount Type	1	Standard	<a href="#">more</a>
V1705 — Driver Swivel Mechanism Equipped	0	No	<a href="#">more</a>
V1706 — Passenger Swivel Mechanism Equipped	0	No	<a href="#">more</a>
V1707 — Driver Seat Original Equipment	1	Yes	<a href="#">more</a>
V1708 — Passenger Seat Original Equipment	1	Yes	<a href="#">more</a>
V1709 — Driver Seat/Rear Occupant Contact	8	Not applicable	<a href="#">more</a>
V1710 — Passenger Seat/Rear Occupant Contact	8	Not applicable	<a href="#">more</a>
V1711 — Driver Seat Damage	0	None	<a href="#">more</a>
V1712 — Passenger Seat Damage	0	None	<a href="#">more</a>
V1713 — Center Front Armrest Damaged	0	No	<a href="#">more</a>
V1714 — Driver Seat Rotation	0	None apparent	<a href="#">more</a>
V1715 — Passenger Seat Rotation	0	None apparent	<a href="#">more</a>
V1716 — Driver Seat-back Type	3	Reclining	<a href="#">more</a>
V1717 — Passenger Seat-back Type	3	Reclining	<a href="#">more</a>
V1718 — Driver Seat-back Lock Type	1	Manual	<a href="#">more</a>
V1719 — Passenger Seat-back Lock Type	1	Manual	<a href="#">more</a>
V1720 — Driver Seat-back Lock Held	1	Yes	<a href="#">more</a>
V1721 — Passenger Seat-back Lock Held	1	Yes	<a href="#">more</a>
V1722 — Driver Recliner Mechanism Held	1	Yes	<a href="#">more</a>
V1723 — Passenger Recliner Mechanism Held	1	Yes	<a href="#">more</a>

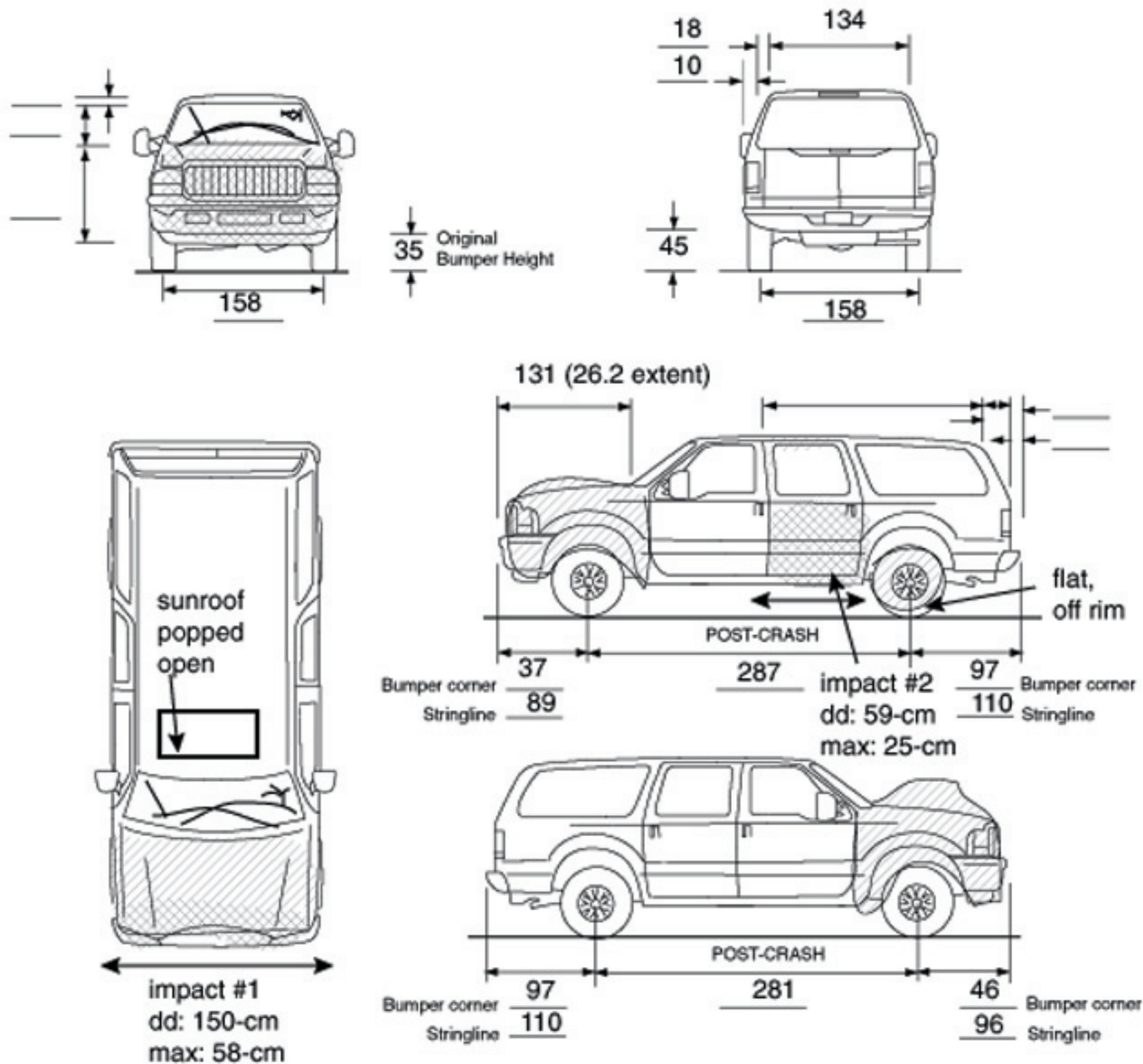
V1724 — Driver Head Restraint Type	1	Adjustable	<a href="#">more</a>
V1725 — Passenger Head Restraint Type	1	Adjustable	<a href="#">more</a>
V1726 — Driver Head Rest Removed	0	No	<a href="#">more</a>
V1727 — Passenger Head Rest Removed	0	No	<a href="#">more</a>
V1728 — Driver Head Rest Adjustment	1	Up	<a href="#">more</a>
V1729 — Passenger Head Rest Adjustment	2	Down	<a href="#">more</a>
V1730 — Driver Head Rest Damage	0	None	<a href="#">more</a>
V1731 — Passenger Head Rest Damage	0	None	<a href="#">more</a>
V1732 — Driver Seat Adjustment Type	2	Power	<a href="#">more</a>
V1733 — Passenger Seat Adjustment Type	2	Power	<a href="#">more</a>
V1734 — Driver Seat Adjustment Provided	3	6-way	<a href="#">more</a>
V1735 — Passenger Seat Adjustment Provided	3	6-way	<a href="#">more</a>
V1736 — Driver Seat Adjuster Damage	9	Unknown	<a href="#">more</a>
V1737 — Passenger Seat Adjuster Damage	9	Unknown	<a href="#">more</a>
V1738 — Driver Seat Adjuster Separation	0	None	<a href="#">more</a>
V1739 — Passenger Seat Adjuster Separation	0	None	<a href="#">more</a>
V1740 — Driver Seat Pre-crash Position	3	Rearward	<a href="#">more</a>
V1741 — Passenger Seat Pre-crash Position	3	Rearward	<a href="#">more</a>
V1742 — Left Rear Seat Type	2	Folding	<a href="#">more</a>
V1743 — Right Rear Seat Type	2	Folding	<a href="#">more</a>
V1744 — Left Rear Seat Damaged	0	None	<a href="#">more</a>
V1745 — Right Rear Seat Damaged	0	None	<a href="#">more</a>
V1746 — Center Rear Armrest Damaged	8	Not applicable (No Center Armrest)	<a href="#">more</a>
V1747 — Left Rear Seat-back Left Lock	1	Yes	<a href="#">more</a>

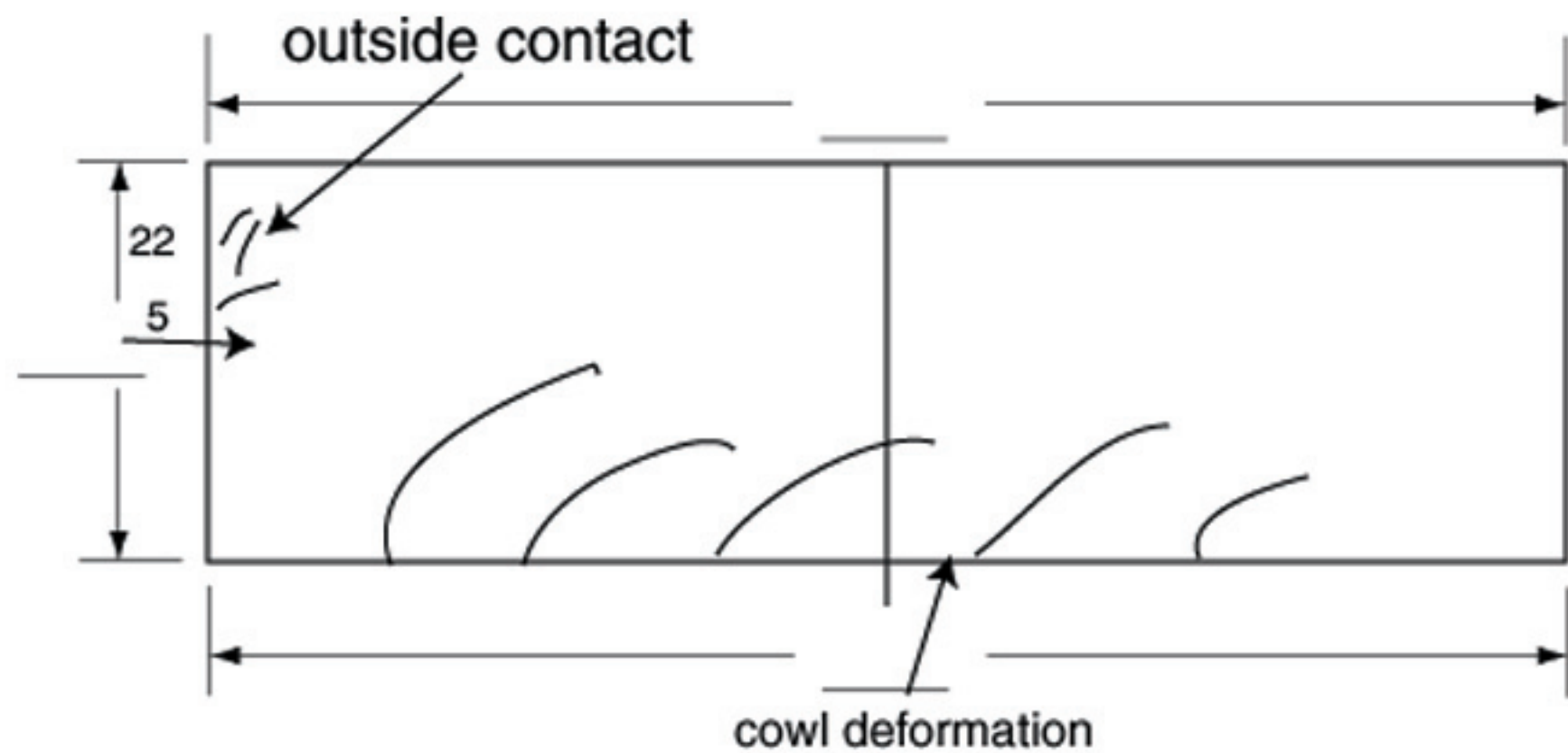
Equipped			
V1748 — Right Rear Seat-back Left Lock Equipped	0	No	<a href="#">more</a>
V1749 — Left Rear Seat-back Left Lock Held	1	Yes	<a href="#">more</a>
V1750 — Right Rear Seat-back Left Lock Held	8	Not applicable	<a href="#">more</a>
V1751 — Left Rear Seat-back Right Lock Equipped	0	No	<a href="#">more</a>
V1752 — Right Rear Seat-back Right Lock Equipped	1	Yes	<a href="#">more</a>
V1753 — Left Rear Seat-back Right Lock Held	8	Not applicable	<a href="#">more</a>
V1754 — Right Rear Seat-back Right Lock Held	0	No	<a href="#">more</a>
V1755 — Left 3rd Seat Equipped	0	No	<a href="#">more</a>
V1756 — Right 3rd Seat Equipped	0	No	<a href="#">more</a>
V1757 — Left 3rd Seat Backrest Damaged	8	Not applicable	<a href="#">more</a>
V1758 — Right 3rd Seat Backrest Damaged	8	Not applicable	<a href="#">more</a>
V1759 — Left 3rd Seat Cushion Damaged	8	Not applicable	<a href="#">more</a>
V1760 — Right 3rd Seat Cushion Damaged	8	Not applicable	<a href="#">more</a>
V1761 — Rear Head Restraints	1	Equipped	<a href="#">more</a>

# MEASUREMENTS IN CENTIMETERS



# MEASUREMENTS IN CENTIMETERS





1 = Definitely 2 = Probably 3 = Possible

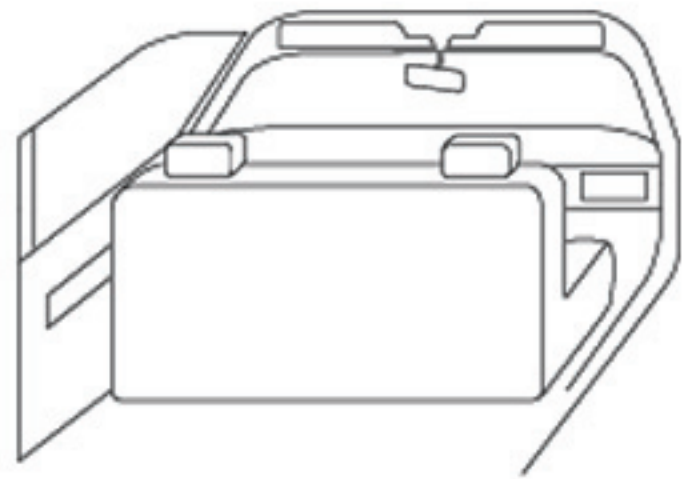
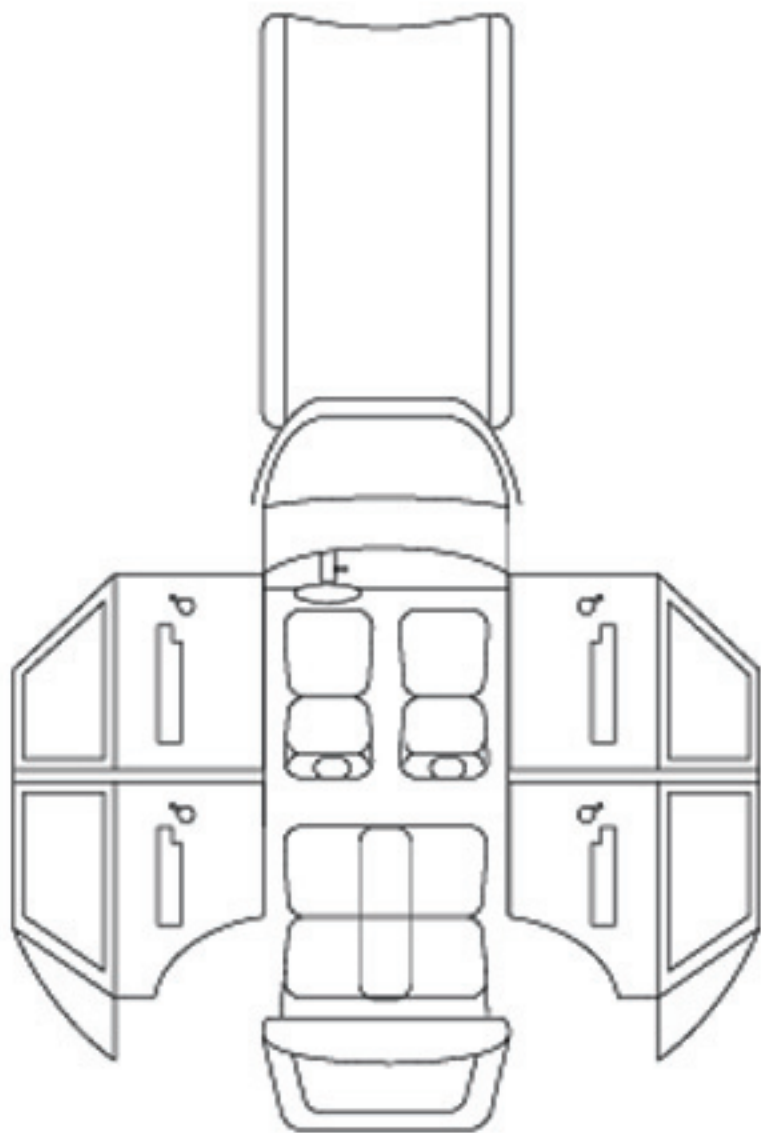
## INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)			Dominant Crush Direction
		Comparison Value	–	Intruded Value = Intrusion	
none			–	=	
			–	=	
			–	=	
			–	=	
			–	=	
			–	=	
			–	=	
			–	=	
			–	=	
			–	=	
			–	=	
			–	=	
			–	=	
			–	=	
			–	=	

## OCCUPANT CONTACT WORKSHEET

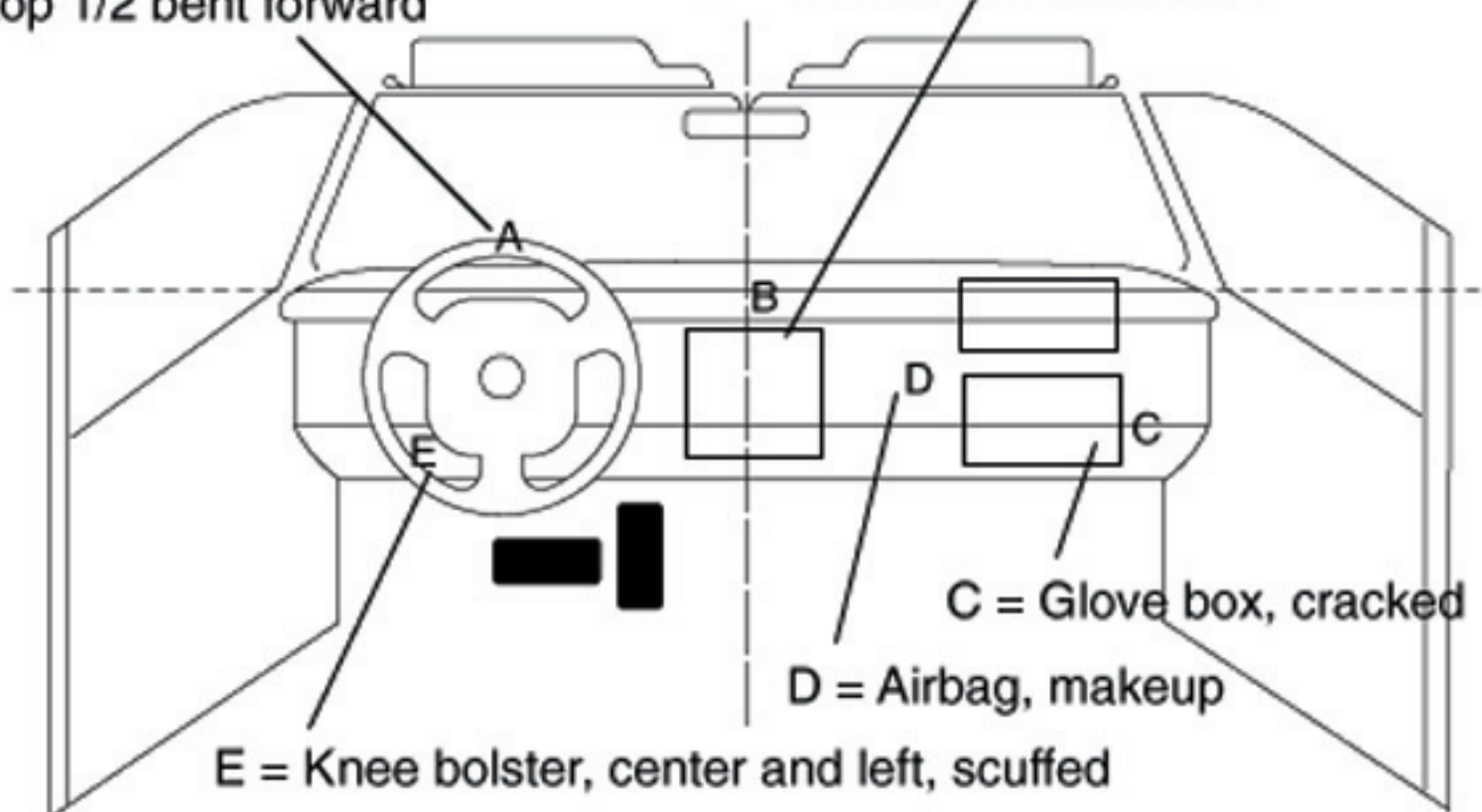
Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Steering wheel rim	1	Bracing	Top half of rim bent	1
B	Vertical console	2	Body	Scuff	1
C	Glove box	2	Legs	Crack	1
D	Airbag	2	Face	Makeup	1
E	Knee bolster center & left	1	Knees	Scuff	1
F					
G					
H					
I					





A = Steering wheel rim,  
top 1/2 bent forward

B = Vertical console, scuff



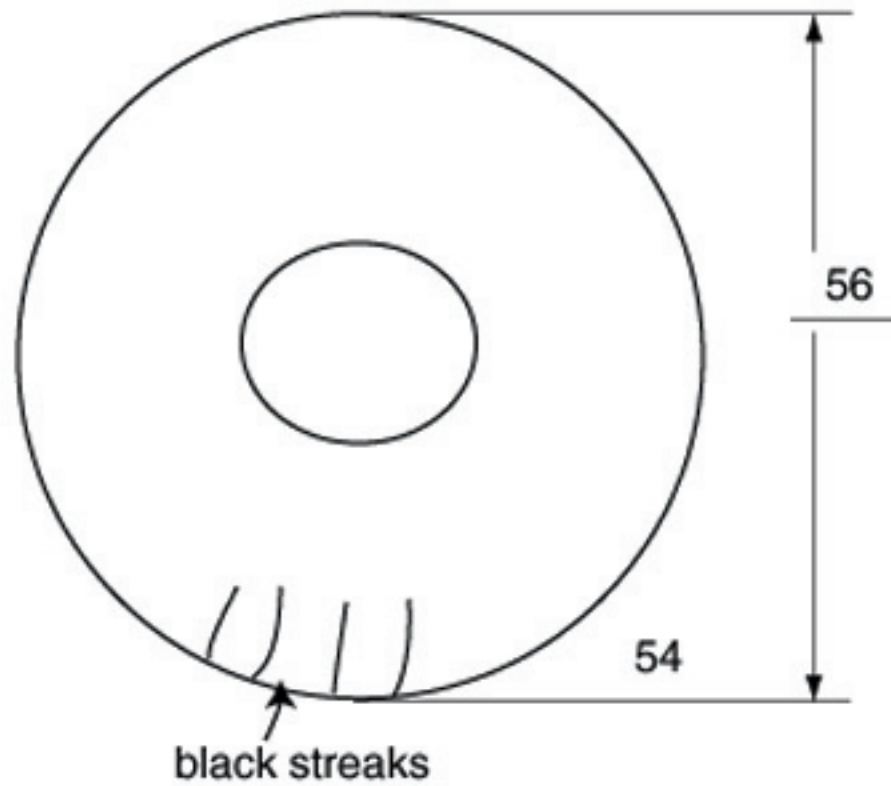
C = Glove box, cracked

D = Airbag, makeup

E = Knee bolster, center and left, scuffed



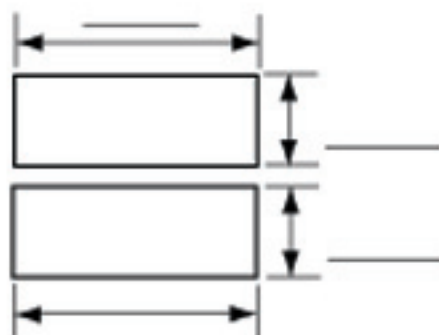
# Driver Airbag



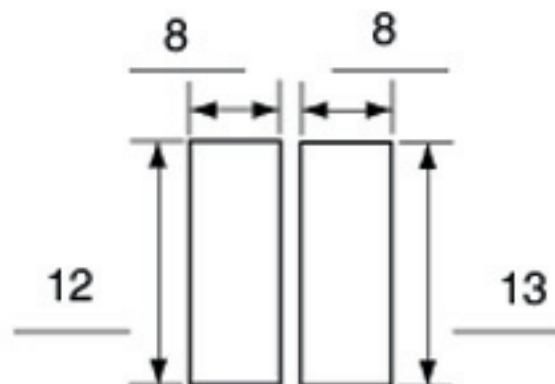
Vents: ☒ Y ☐ N  
if yes, how many: 2

Tethers: ☒ Y ☐ N  
if yes, how many: 1

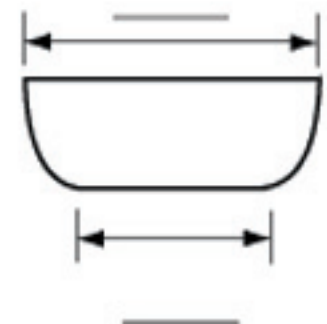
## Driver Airbag Doors



H-Pattern

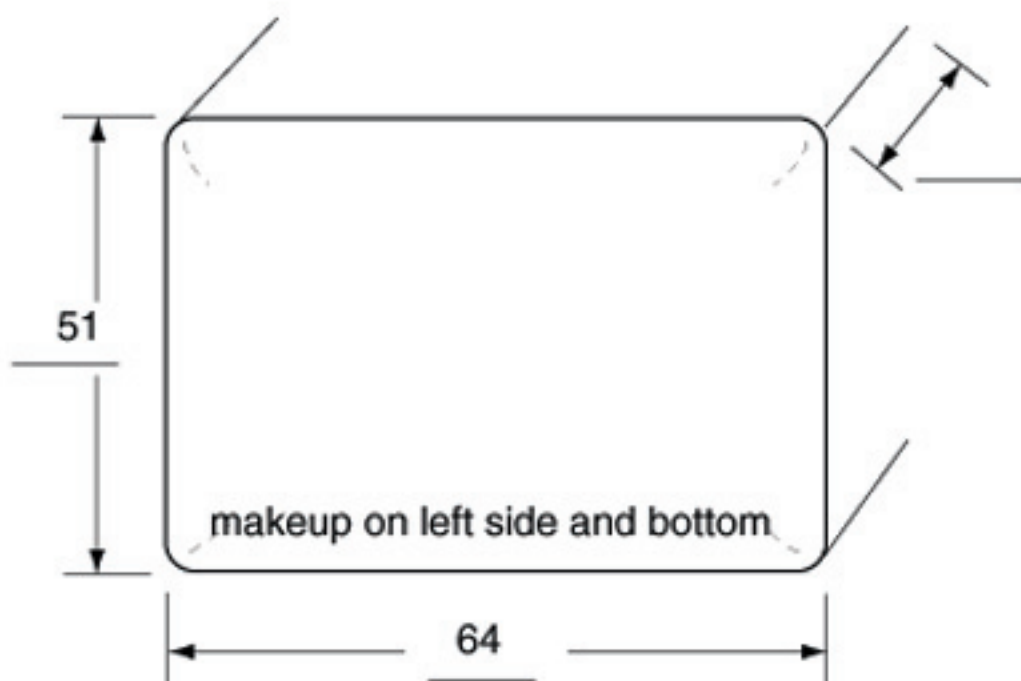


I-Pattern



Single Door

### Passenger Airbag

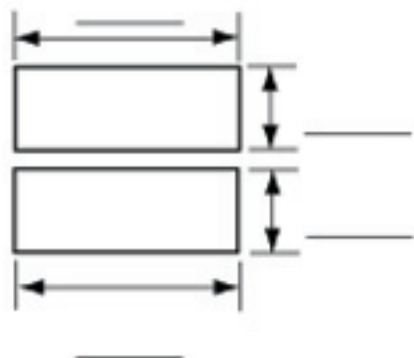


Vents: ☒ Y ☐ N  
if yes, how many: 2

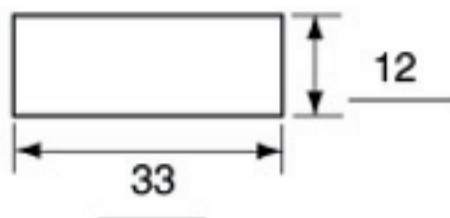
Tethers: Y ☒ N  
if yes, how many:         

### Passenger Airbag Doors

H-Pattern



Single Door



WINDSHIELD MARK ON CASE VEHICLE:

GM LAMINATED GS

DOT - 376 ASI M334

TRANS:70% MIN

AP TECHNOGLASS

.....1

# Case # 363: Occupant # 1; Injury # 1

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	01	Injury #1	<a href="#">more</a>
V2102 — 1st Prob Contact Area	99	Unknown area of contact	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	<a href="#">more</a>
V2104 — Primary OIC -body Region	08	Head/skull	<a href="#">more</a>
V2105 — Primary OIC -aspect	23	Whole region	<a href="#">more</a>
V2106 — Primary OIC -lesion	11	Concussion	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	02	Brain	<a href="#">more</a>
V2108 — Primary OIC -severity	2	Moderate	<a href="#">more</a>
V2109 — Primary OIC	HWKB2	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

## Case # 363: Occupant # 1; Injury # 2

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	02	Injury #2	<a href="#">more</a>
V2102 — 1st Prob Contact Area	05	Instrument panel (specific area unknown)	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	<a href="#">more</a>
V2104 — Primary OIC -body Region	18	Forearm	<a href="#">more</a>
V2105 — Primary OIC -aspect	12	Left	<a href="#">more</a>
V2106 — Primary OIC -lesion	06	Fracture	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	19	Skeletal	<a href="#">more</a>
V2108 — Primary OIC -severity	3	Serious	<a href="#">more</a>
V2109 — Primary OIC	RLFS3	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

## Case # 363: Occupant # 1; Injury # 3

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	03	Injury #3	<a href="#">more</a>
V2102 — 1st Prob Contact Area	05	Instrument panel (specific area unknown)	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	<a href="#">more</a>
V2104 — Primary OIC -body Region	23	Wrist/hand	<a href="#">more</a>
V2105 — Primary OIC -aspect	12	Left	<a href="#">more</a>
V2106 — Primary OIC -lesion	06	Fracture	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	19	Skeletal	<a href="#">more</a>
V2108 — Primary OIC -severity	1	Minor	<a href="#">more</a>
V2109 — Primary OIC	WLFS1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

# Case # 363: Occupant # 1; Injury # 4

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	04	Injury #4	<a href="#">more</a>
V2102 — 1st Prob Contact Area	40	Floor	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	<a href="#">more</a>
V2104 — Primary OIC -body Region	17	Ankle/foot	<a href="#">more</a>
V2105 — Primary OIC -aspect	18	Right	<a href="#">more</a>
V2106 — Primary OIC -lesion	06	Fracture	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	19	Skeletal	<a href="#">more</a>
V2108 — Primary OIC -severity	2	Moderate	<a href="#">more</a>
V2109 — Primary OIC	QRFS2	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

# Case # 363: Occupant # 2; Injury # 1

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	01	Injury #1	<a href="#">more</a>
V2102 — 1st Prob Contact Area	87	Air cushion skin "airbag"	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	86	Vertical console	<a href="#">more</a>
V2104 — Primary OIC -body Region	03	Chest	<a href="#">more</a>
V2105 — Primary OIC -aspect	03	Central	<a href="#">more</a>
V2106 — Primary OIC -lesion	12	Laceration	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	01	Arteries	<a href="#">more</a>
V2108 — Primary OIC -severity	4	Severe	<a href="#">more</a>
V2109 — Primary OIC	CCLA4	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—



## Case # 363: Occupant # 2; Injury # 2

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	02	Injury #2	<a href="#">more</a>
V2102 — 1st Prob Contact Area	99	Unknown area of contact	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	<a href="#">more</a>
V2104 — Primary OIC -body Region	08	Head/skull	<a href="#">more</a>
V2105 — Primary OIC -aspect	21	Unknown	<a href="#">more</a>
V2106 — Primary OIC -lesion	21	Unknown	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	02	Brain	<a href="#">more</a>
V2108 — Primary OIC -severity	3	Serious	<a href="#">more</a>
V2109 — Primary OIC	HUUB3	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

## Case # 363: Occupant # 2; Injury # 3

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	03	Injury #3	<a href="#">more</a>
V2102 — 1st Prob Contact Area	87	Air cushion skin "airbag"	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	86	Vertical console	<a href="#">more</a>
V2104 — Primary OIC -body Region	03	Chest	<a href="#">more</a>
V2105 — Primary OIC -aspect	12	Left	<a href="#">more</a>
V2106 — Primary OIC -lesion	06	Fracture	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	19	Skeletal	<a href="#">more</a>
V2108 — Primary OIC -severity	3	Serious	<a href="#">more</a>
V2109 — Primary OIC	CLFS3	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

# Case # 363: Occupant # 2; Injury # 4

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	04	Injury #4	<a href="#">more</a>
V2102 — 1st Prob Contact Area	48	Knee restraint	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	02	Glove compartment area	<a href="#">more</a>
V2104 — Primary OIC -body Region	11	Knee	<a href="#">more</a>
V2105 — Primary OIC -aspect	12	Left	<a href="#">more</a>
V2106 — Primary OIC -lesion	01	Abrasion	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	09	Integumentary	<a href="#">more</a>
V2108 — Primary OIC -severity	1	Minor	<a href="#">more</a>
V2109 — Primary OIC	KLAI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

## Case # 363: Occupant # 2; Injury # 5

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	05	Injury #5	<a href="#">more</a>
V2102 — 1st Prob Contact Area	48	Knee restraint	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	02	Glove compartment area	<a href="#">more</a>
V2104 — Primary OIC -body Region	12	Leg (lower)	<a href="#">more</a>
V2105 — Primary OIC -aspect	18	Right	<a href="#">more</a>
V2106 — Primary OIC -lesion	01	Abrasion	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	09	Integumentary	<a href="#">more</a>
V2108 — Primary OIC -severity	1	Minor	<a href="#">more</a>
V2109 — Primary OIC	LRAI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—





























































































































































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